APPENDIX A

OMB Approval Number: 2050-0095 Approved for Use Through: 1/92

PA Scoresheets

Site Name: Tioga Castung	Investigator: Mary Latta
CERCLIS ID No.: Facilities	Agency/Organization: EPA-Re
Street Address: I Foundry St.	Street Address: 26 Federal P
City/State/Zip: Owego Common NY	City/State/Zip: NY NY
Tiogo Country 13827	Date: July 22,93

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The second of the second of the second	27. 2 22.23 . 1.	٠.
The Control of the State of the		٠.
Source	Source Name	:
THE PARTY OF THE P	THE PARTY OF THE PARTY OF THE PARTY.	-
Ala a	380 3 200 2 3 1 20 20 3	

Source Waste Quantity (WQ) Calculations

foundly westes - 1 acre

1.078 = 12.82

Source No.:

Source Name: DRUMS

100+10559 all of drums

~ 80 of those were removed w 1990 M DEC 16...

Source Waste Quantity (WQ) Calculations:

Assume all drums removed by the 2 reports may have setemated Heatrap # of dums differently

Source

WastePla

Source Description:

Cupola Dust.

6 1989 SI report cultor 34 tons of cupola dust stareles Building

DEC report status - 30 tows of cupota dust removed Howaits in 1990

Source Waste Quantity (WQ) Calculations:

Assume all dust removed (as each report may have external ed the amount of clust differently)

> Site WC: 18

PA TABLE 1: WASTE CHARACTERISTICS (WC) SCORES

PA Table 1s: WC Scores for Single Source Sites and Formulas
for Multiple Source Sites

	SOURCE TYPE		SOURCE SITES (assigned WC sec	WC = 100	Formula for Assigning Source WQ Values
	N/A	≤100 ib	>100 to 10,000 lb	>10,000 lb	<i>b</i> + 1
	N/A	≤500,000 ib	>500,000 to 50 million lb	>50 million lb	1b + 5,000
+		≤6.75 million ft³	> 6.75 million to 675 million ft ³ > 250,000 to 25 million yd ³	> 675 million ft ³ > 25 million yd ³	$ft^3 + 67,500 ye^3 + 2,500$
	Landfill Surface impoundment Drums	≤250,000 yd³ ≤6,750 ft² ≤250 yd³ ≤1,000 drums	>6,750 to 675,000 ft ³ >250 to 25,000 yd ³ >1,000 to 100,000 drums	>675,000 ft ³ >25,000 yd ³ >100,000 drums	ft ³ + 67.5 yd ⁹ + 2.5 drums + 10 gallons + 500
ò	Tanks and non- drum containers Contaminated soil	≤50,000 gallons ≤6,75 million ft ≤250,000 yd²	>6.75 million to 675 million ft ³	>5 million gallons >875 million ft ² >25 million yd ³	ft³ + 67,500 yd³ + 2,500
E	Pile	≤6,750 ft ³ ≤250 yd ³	> 6,750 to 675,000 ft ³ > 250 to 25,000 yd ³	>675,000 ft ³ >25,000 yd ³	$ft^3 + 67.5$ $yd^3 + 2.5$
. !	Other	≤8,750 ft ² ≤250 yd ³	> 6,750 to 675,000 ft ² > 250 to 25,000 yd ³	>675,000 ft ³ >25,000 yd ³	$ft^3 + 67.5$ $yd^3 + 2.5$
·	Landfill	≤340,000 ft ≤7.8 scres	>340,000 to 34 million ft ² >7.8 to 780 acres	>34 million ft ² >780 acres	$ft^2 + 3,400$ acres + 0.078 $ft^2 + 13$
	Surface impoundment	≤1,300 ft² ≤0.029 acre	\$ >0.029 to 2.5 acros	>130,000 ft ² >2.9 acres	$acres + 0.0002$ $tt^2 + 34,000$
A R E	Contaminated so	≤3.4 million ≤78 acres	>/8 to /,500 20.00	>340 million ft ² >7,800 acres >130,000 ft ²	$acres + 0.78$ $ft^2 + 13$
Ā	Pile*	≤1,300 ft ≤0.029 acr	>0.029 to 2.3 ac. 55	>1.30,000 ft >2.9 acres >2.7 million ft ²	acres + 0.0002 $ft^2 + 270$
	Land treatment	≤27,000 f ≤0.82 acre	>0.02 to 02 80100	>62 acres	acres + 0.006

PA Table 1b: WC Scores for Multiple Source Sites

* * * * * * * * * * * * * * * * * * * *	
WQ Total	WC Score
>0 to 100	18
> 100 to 10,000	32
>10,000	100

GROUND WATER PATHWAY SCORESHEET

	Pathway Characteristics			Ţ., :
	Do you suspect a release (see Ground Water Pathway Criteria List, page 7)? Is the site located in karst terrain? UN KNOW Depth to aquifer:	Yes V	No	
น เขาได้เก็	Distance to the nearest drinking water well:	<u>Line etter en en en en en el</u>	<u>/\(\frac{1}{2}\) \(\frac{1}{2}\)</u>	
		the America	B	
		15 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lo Suspected	fere
<u>L</u>	IKELIHOOD OF RELEASE	Release	Rolosse Rei	7076
	SUSPECTED RELEASE: If you suspect a release to ground water (see page 7), assign a score of 550. Use only column A for this pathway.	550	(100 m 300)	
/ 2	NO SUSPECTED RELEASE: If you do not suspect a release to ground water, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Use only column B for this pathway.			
	poorly contained sources shallow in-	<i>55</i> 0		
• • •	[Ange]9			•
	3. PRIMARY TARGET POPULATION: Determine the number of people served by drinking water wells that you suspect have been exposed to a hazardous substance from the site (see Ground Water Pathway Criteria List, page 7).	Q		
·	4. SECONDARY TARGET POPULATION: Determine the number of people served by drinking water wells that you do NOT suspect have been exposed to a hazardous			
1	substance from the site, and assign the total population score from PA Table 2.			
KNOWA	Are any wells part of a blended system? Yes No If yes, attach a page to show apportionment calculations.	176	[20,10,0,6,3,2, or 0]	
	 NEAREST WELL: If you have identified a primary target population for ground water, assign a score of 50; otherwise, assign the Nearest Well score from PA Table 2. If no drinking water wells exist within 4 miles, assign a score of zero. 	9	≥ 120, t, ≠ 01	. ·
-, 	6. WELLHEAD PROTECTION AREA (WHPA): If any source lies within or above a WHPA, or if you have identified any primary target well within a WHPA, assign a score of 20; assign 5 if neither condition holds but a WHPA is present within 4 miles; otherwise	0		
	assign zero. NO SOLI SALLIA DE LA SULO PARCIST. 7. RESOURCES 3 MUNIO OF SULO PARCIST.	5	is a di	_
. !		190		
	WASTE CHARACTERISTICS	[100 = 32]		•
	8. A. If you have identified any primary target for ground water, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.			
, .	B. If you have NOT identified any primary target for ground water, assign the waste characteristics score calculated on page 4.	(100,22, = 18)	(100.33, e 16)	
	wc -	18		
	GROUND WATER PATHWAY SCORE: LR x T x WC 82,500	(subject to a s	naximum of 100)	
	See attached 6W map.			

See attached 6W Map from 1989 SI report - data available for all buffer with parties parties of secondary ground water target populations used when wall prings pa table 2a; Non-Karst Aquifers

			<u> </u>								,		196	
			Nearest	V		Рори	dation Sei	rved by W	ells With	in Distance	a Categor	γ	17.5	100 100
	Distance from Site	Population	Well (choose highest)	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	Greater than 100,000	Population Value
1000 ET	0 to ¼ mile	7	20 18	1	2	5 3	16 10	52 32.	163	521	1,633	5,214	16,325	\$2
1989 ST. Shows ->	>> 1/2 to 1 mile	5000	③	1	1	3 ₁	5	32. 17	101 52	323	1,012 522	3,233 1,668	10,121 5,224	167
This toke upgradies	>1 to 2 miles 2 to 3 miles	<u>50</u> 430	5 3	1	1	① -	3 2	9	29 21	94 68	294 212	939 678	2,938 2,122	7
of site.	>3 to 4 miles	<u>200</u>	2	1	1	1	①	4	13	42	131	417	1,306	
<u> </u>	Near	rest Well =	9										3000	176

		Nearest			Рори	lation Se	rved by W	lelis Withi	n Distance	Categor	y		And a second
Distance from Site	Population	Well (use 20 for karst)	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 ta 10,000	10,001 to 30,000	30,001 to 100,000	Greater then 100,000	Population Value
O to ¼ mile		20	<i>)</i>	2	5	16	52	163	521	1,633	5,214	18,325	李奎基
>¼ to ½ mile		20	1	1	3	10	32	101	323	1,012	3,233	10,121	
> 1/2 to 1 mile		20	1	1	3	8	26	, 82	261	816	2,607	8,162	
>1 to 2 miles		20	1	1	3	8	26	82	261	816	2,607	8,162	
>2 to 3 miles >3 to 4 miles		20 20	1	1	3	8 8	26 26	82 82	261 261	816 816	2,607	8,162 8,162	

Pethway Characteristics	although the was
Do you suspect a release (see Surface Water Pathway Criteria List, page 11)? Yes W No _	- Ovioco
Distance to surface water:	To over adoo'- Release
Flood frequency: What is the downstream distance to the nearest drinking water intake? miles	vis suspected due to
Nearest fishery? miles Nearest sensitive environment?	Uncontrolled sta
	m soct a deposition
Suspected No Suspect	
ELIHOOD OF RELEASE Release	References
SUSPECTED RELEASE: If you suspect a release to surface water (see page 11), assign a score of 550. Use only column A for this pathway.	waste diles
	" Veen remove
NO SUSPECTED RELEASE: If you do not suspect a release to surface water, use the table below to assign a score based on distance to surface	Veelo I Edo (Com
water, use the table below to assign a score based on distance to water and flood frequency. Use only column B for this pathway.	
	The second secon
Distance to surface water ≤ 2,500 feet 500	
Distance to surface water > 2,500 feet, and Site in annual or 10-year floodplain 500	
Site in 100-year floodplain 400	
Site in 500-year floodplain 300	
Site outside 500-year floodplain 100	
	₩ 1001
LR = 550	A No.
<u> </u>	
RINKING WATER THREAT TARGETS	
and remove bed, the flow (if applicable), and remove of people served	
Record the water body type, flow (if applicable), and number of people served	
hu each disting water intake within the target distance limit. If there is no	. ,
by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores.	6.4112
by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body Type Flow People Served	Re443.
by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body Type Flow People Served Cfs	Reg43.
by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body Type Cfs Cfs Cfs	Reg43.
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by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Weter Body Type Flow People Served Cfs Cfs Cfs PRIMARY TARGET POPULATION: If you suspect any drinking water intake listed above has been exposed to a hazardous substance from the site (see Surface Water Pathway Criteria List, page 11), list the intake name(s) and calculate the factor	Reg 43.
by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body Type Gts Cfs Cfs PRIMARY TARGET POPULATION: If you suspect any drinking water intake listed above has been exposed to a hazardous substance from the site (see Surface Water	Reg 43.
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by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body Type Gra Cfs Cfs Cfs Cfs Cfs Cfs Cfs Cf	Reg 43
by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body. Type Flow People Served Cfs Cfs Cfs PRIMARY TARGET POPULATION: If you suspect any drinking water intake listed above has been exposed to a hazardous substance from the site (see Surface Water Pathway Criteria List, page 11), list the intake name(s) and calculate the factor score based on the total population served. Depople x 10 = SECONDARY TARGET POPULATION: Determine the number of people served by drinking water intakes that you do NOT suspect have been exposed to a hazardous substance from the site, and assign the total population score from PA Table 3. Are any intakes part of a blended system? Yes No If we attach a page to show apportionment calculations.	Reg 43
by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body Type Row People Served Cfs Cfs Cfs Cfs Cfs Cfs Cfs Cf	Reg43
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by each drinking water intake within the target distance limit. If there is his drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body. Type Cfs Cfs Cfs Cfs Cfs Cfs Cfs Cf	
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by each drinking water intake within the target distance limit. If there is his drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores. Intake Name Water Body. Type Cfs Cfs Cfs Cfs Cfs Cfs Cfs Cf	- a

PA TABLE 3: VALUES FOR SECONDARY SURFACE WATER TARGET POPULATIONS

						detion	Served by	Intakes \	Nithin Flo	w Catego	γ	++ + 1 tr		
Surface Water Body Flow		Nearest Intake (choose	1 to	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	to	1. 12. 14.		· /
see PA Table 4)	Population	bighest) 20	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	
<10 cfs		20	1		2	5	16	52	163	521	1,633	5,214		-
0 to 100 cfs		2		-		1	2	5	16	52	163	521	1,633	4 1948 1 2 4 4 4 4
>100 to 1,000 cfs		1	0	0		10		1	2	5	16	52	163	
1,000 to 10,000 cfs		0	0	0			0	↓ .	1	1,00	2	5	16	
>10,000 cfs or		0	0	0	0									
Great Lakes		10		3	8	26	82	261	816	2,807	8,162	26,068	81,663	
3-mile Mixing Zone	<u> </u>	10		1								~~	Score =	
Near	est Intake =]					W 18						

PA TABLE 4: SURFACE WATER TYPE / FLOW CHARACTERISTICS WITH DILUTION WEIGHTS FOR SECONDARY SURFACE WATER SENSITIVE ENVIRONMENTS

Type of S	urface Wat	ter Body	Dilution
Water Body Type	OR	Flow	 Weight
minimal stream small to moderate stream moderate to large stream large stream to river large river		< 10 cfs 10 to 100 cfs > 100 to 1,000 cfs > 1,000 to 10,000 cfs > 10,000 cfs	0.1 N/A N/A N/A
3-mile mixing zone of quiet flowing streams or rivers		10 cfs or greater	N/A
coastal tidal water (harbors, sounds, bays, etc.), ocean, or Great Lakes		N/A	N/A

SURFACE WATER PATHWAY (continued)

Rolesso - Rolesso - Rolesso		e/e/ice
IKELIHOOD OF RELEASE LR = 550	# 1001	
nter Surface Water Likelihood of Release score frem page 12.		

HUMAN FOOD CHAIN THREAT TARGETS

8. Record the water body type and flow (if applicable) for each fishery within the target distance limit. If there is no fishery within the target distance limit, assign a Targets score of 0 at the bottom of the page.

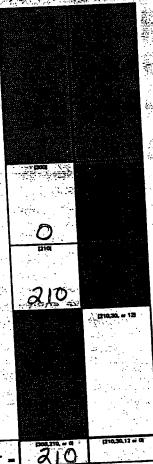
	(2) 11 (4) (4) (4) (4) (4) (4)		127.7	· Water Body	Type	Flow	
[Fishery Name	10001		Class	aB.	UNKA	Ø
. [OSWEGO (TO SALL	191,101	CIASA	C	cfs	
	Susquel	JOWNER	CDIAN	political strain		cfs	
		<u>·</u>		* *		cfs	
				· 1.5		cfs	
							٠,

PRIMARY FISHERIES: If you suspect any fishery listed above has been exposed
to a hazardous substance from the site (see Surface Water Criteria List, page 11),
to a hazardous substance from the site (see Surface Water Criteria List, page 11),
to a hazardous substance from the site (see Surface Water Criteria List, page 11),
to a hazardous substance from the site (see Surface Water Criteria List, page 11),
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to a hazardous substance from the site (see Surface Water Criteria List, page 11),
to a hazardous substance from the site (see Surf

10. SECONDARY FISHERIES

- A. If you suspect a release to surface water and have identified a secondary fishery but no primary fishery, assign a score of 210.
- B. If you do not suspect a release, assign a Secondary Fisheries score from the table below using the lowest flow at any fishery within the target distance limit.

A		
Lowest Flow	Secondary Fisheries Score	
< 10 cfs	210	
	30	<u> </u>
10 to 100 cfs		
> 100 cfs, coastal	12	
tidal waters, oceans,		
or Great Lakes		



1989 SI Report

Release suspected
BO as to assume
a "WORST CASE
suspector", but

- deviance to sw as
a 200', \$ sut slope
were ence uncontain

They have been
removed \$ actual
removed \$ actual
who after hishere
to affect fishere
asunstican

SURFACE WATER PATHWAY (commund) ENVIRONMENTAL THREAT SCORESHEET

	Suspected	No Suspensed	١.,
ELIHOOD OF RELEASE	Referen	Rainana Itanan III e 193	<u> </u>
	550	lear warms out	1
Surface Water Likelihood of Release score from page 12.	990		1
/IRONMENTAL THREAT TARGETS			Ė
			ŀ
Record the water body type and flow (if applicable) for each surface water			١.
sensitive environment within the target distance limit (see PA Tables 4. and 5). If there is no sensitive environment within the target distance			
and 5). If there is no sensitive environment within the bage.			
			٠.
Environment Name Water Body Type Flow			
cris			
cfs			•
cis			
ds			
cis			:
	222		
PRIMARY SENSITIVE ENVIRONMENTS: If you suspect any sensitive environ-	·		
meet listed above has been exposed to a hazardous substance from the site ises			
Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate			
factor 13. List the primary sensitive environments:	,		ŀ
NONO- NO WOHANGS AT SENSITIVE	to he m		
CALLITON MINES W/W 2 MILLS "NOT. 11 PREM	100,0		
1	RESTER	·]	
The second of th			
SECONDARY SENSITIVE ENVIRONMENTS: If sensitive environments are			1
present, but none is a primary sensitive environment, evaluate Secondary	X		
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow.			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A For secondary sensitive environments on surface water bodies with flows of			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A For secondary sensitive environments on surface water bodies with flows of			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow.			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor:			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: Disclar Weight Environment Type and Value			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: Disclor Weight Environment Type and Value PA Table 41 PA Table 5 and 61 Total			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: District District Environment Type and Value			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: District Weight Environment Type and Value			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: District Weight Environment Type and Value			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: District Weight Environment Type and Value			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: Distributed Particle Part			
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: Disclaim Weight	0		
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part B of this factor: District Weight Environment Type and Value	0	ila	
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: District Weight Environment Type and Value	O	lia.	
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part B of this factor: District Weight Environment Type and Value	0	IIG	
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: District Weight Environment Type and Value	0	110	
present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow. A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part 8 of this factor: District Weight Environment Type and Value	O	110	

potentiata forthis information is
not available, havever, a NXEDEC map from the
Fight & wild lift service does NOT show. any
significant welland servicity enuncianents.
Whis the 15 mile Target Distance Limit.
Ref 36. 1989 ST Report.
A-29

PA TABLE 5: SURFACE WATER AND AIR PATHWAY SENSITIVE ENVIRONMENTS VALUES

Sensitive Environment	Assigned Value
Critical habitat for Federally designated endangered or threatened species	100
Marine Sanctuary	•
National Park	
Designated Federal Wilderness Area	
Ecologically important areas identified under the Coastal Zone Wilderness Act	
Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Wat	lar Act
Critical Areas Identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire ami	ali Jakes)
National Monument (air pathway only)	
National Seashore Recreation Area	
National Lakeshore Recreation Area	- Andrews
Habitat known to be used by Federally designated or proposed endangered or threatened species	75
National Preserve	
National or State Wildlife Refuge	•
Unit of Coastal Barner Resources System	•
rederal land designated for the protection of natural ecosystems	
Administratively Proposed Federal Wilderness Area	Em . Em
Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay, or estuary	
Vigratory pathways and feeding areas critical for the maintanance of anadromous fish species in a river system	1 .
forrestrial areas utilized for breeding by large or dense aggregations of vertabrate animals (air pathway) or	*,
semi-aquatic foragers (surface water pathway)	
Vational river reach designated as Recreational	
debitst known to be used by State designated endangered or threatened species	50
fabitat known to be used by a species under review as to its Federal endangered or threatened status	
Coastel Barrier (partially developed)	
ederally designated Scenic or Wild River	and the second second
State land designated for wildlife or game management	25
State designated Scenic or Wild River	
tate designated Natural Area	
Particular areas, relatively small in size, important to maintenance of unique biotic communities	
State designated areas for protection/maintenance of aquatic life under the Clean Water Act	. 5
See PA Table 6 (Su	rface Water Pathway)
Vetlands	or
PA Table G	(Air Pathway)

PA TABLE 6: SURFACE WATER PATHWAY WETLANDS FRONTAGE VALUES

Total Length of Wetlands	Assigned Value
Less than 0.1 mile	0
O.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

SURFACE WATER PATHWAY (concluded) WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

Α	
Suspected	No Suspected
Release	Release
t100 ₩ 221	
بد	
(100,22, = 18)	- (100 <u>.33</u> , = 181
18	
18	

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score (trom page 12)	Tergetz (T) Score	Pathway Wasta Characteristics (WC) Score (determined above)	Threat Score LR x T x WC / 82,500
Drinking Water	550	5	18	160
Human Food Chain	550	210	18	<i>a5.a</i>
Environmental	550	0	18	() () () () () () () () () () () () () (

SURFACE WATER PATHWAY SCORE
(Drinking Water Threat + Human Food Chain Threat + Environmental Threat)

25.8

SOIL EXPOSURE PATHWAY SCORESHEET

		- 1
Do any people live on or within 200 ft of areas of suspected contamination? Do any people attend school or daycare on or within 200 ft of areas _ ~300 of suspected contamination? Is the facility active? Yes No If yes, estimate the number of workers:	Yes No _	
is the facility activer feet in the second s		
	Suspected	
IKELIHOOD OF EXPOSURE	Contamination	References
SUSPECTED CONTAMINATION: Surficial contamination can generally be assumed,	1980 at 01	
and a score of 550 assigned. Assign zero only if the absence of surficial contamination can be confidently demonstrated.	550	- NYSDEC. Sawy
RESIDENT POPULATION THREAT TARGETS		Soul Main sono
2. RESIDENT POPULATION: Determine the number of people occupying residences	and the second second	Inein levellan
or attending school or daycare on or within 200 feet of areas of suspected		read or coolmin
contamination (see Soil Exposure Pathway Criteria List, page 18).	0	read on colours
	150 = Q	Carron page too
3. RESIDENT INDIVIDUAL: If you have identified a resident population (factor 2),		-fence exeted
assign a score of 50; otherwise, assign a score of 0.	115, 10, 5, - O	around the si
4. WORKERS: Use the following table to assign a score based on the total number of		
workers at the facility and nearby facilities with suspected contamination:	New.	and the second of the second
Number of Workers Score		
O O Vian atilal		
1 to 100 5		
101 to 1,000 10	0	

5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Use PA Table 7 to assign a value		entre de la companya
for each terrestrial sensitive environment on an area of suspected		
contamination:		
Terrestrial Sensitive Environment Type Value		
		Harry Law
		· Lascarios
Sum *	(6 = 0)	
6. RESOURCES	5	
T.	. 5	
and the second s		4.
WASTE CHARACTERISTICS	{100, 32, ∞ ₄ 16)	
7. Assign the waste characteristics score calculated on page 4. WC	1 4/ 1	
7. Assign the Weste undidection	10	
RESIDENT POPULATION THREAT SCORE: LE X T X WC	(militari to a maximum of 100).	
RESIDENT POPULATION THREAT SCORE: LE X T X WC 82,500	1 6	
AUTA DRY DODIN ATION TUDEAT SCODE.	(A, 2, or 1)	
NEARBY POPULATION THREAT SCORE:		
	(mbject to a maximum of 100)	,
SOIL EXPOSURE PATHWAY SCORE:	16	
Resident Population Threat + Nearby Population Threat	<u> </u>	

PA TABLE 7: SOIL EXPOSURE PATHWAY TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

- I C. with Comment	Assigned Value
Terrestrial Sensitive Environment Terrestrial critical habitat for Federally designated endangered or threatened species	100
	· · · · · · · · · · · · · · · · · · ·
National Park	
Designated Federal Wilderness Area	
National Monument	
Terrestrial habitat known to be used by Federally designated or proposed threatened or endangered species	75
National Preserve (terrestrial)	
National or State terrestrial Wildlife Refuge	
Federal land designated for protection of natural ecosystems	
A desirate restrictive or nonesed Federal Wilderness Area	
Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	7999
Taxonomial habitat used by State designated endangered or threatened species	50
Terrestrial habitat used by species under review for Federal designated endangered or threatened status	
I effective inautations of the second of the	25
State lands designated for wildlife or game management	
State designated Natural Areas	en e
Parnoular areas, relatively small in size, important to maintenance of unique biotic communities	

AIR PATHWAY SCORESHEET	***************************************		
Pathway Characteristics			
Do you suspect a release (see Air Pathway Criteria List, page 21)? Distance to the nearest individual:	Yes		,
	A	8	
00 00 00 000	Suspected Release	No Suspected Release	Reference
KELIHOOD OF RELEASE	:540		
SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550. Use only column A for this pathway.		(MOO)	
NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500. Use only column 8 for this pathway.		500	6ª
LR =		500	•
ARGETS			1
PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a suspected release of hazardous substances to the air. people x 10 =			
SECONDARY TARGET POPULATION: Determine the number of people not suspected to be exposed to a release to air, and assign the total population score using PA Table 8.	(60.70.7;2.1. ar G	13	
NEAREST INDIVIDUAL: If you have identified any Primary Target Population for the air pathway, assign a score of 50; otherwise, assign the Nearest Individual score from PA Table 8.		2	
PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from a suspected release to the air.			
Sensitive Environment Type Value			
SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine	•	0	<u> </u>
the score for secondary sensitive environments.	16 - 0	100	┨
RESOURCES		5	
Τ.	-	20]
VASTE CHARACTERISTICS	1100 = 23		i
A. If you have identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part 8 of this factor.	1100.32 e 146	(100 T = 13	
B. If you have NOT identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4.	india	18	

AIR PATHWAY SCORE:

LR x T x WC

2.18

Report.
Report.
PATABLE B:

		Nearest		Population Within Distance Category											
		Individual	. 1	11.	31	101	301	1,001	3,001	10,001	30,001	100,001	300,001	Greater	Dogwedon .
Distance		: (choose	lo	to	,ta	to	to	to	(o	to	10	to	l to	than	Population
from Site	Population	highest)	10	30	100	300	1,000	3,000	10,000	30,000	100,000	300,000	1,000,000	1,000,000	Value
Oneite	9	20	1	2	6	16	52	163	521	1,633	5,214	16,326	62,138	163,246	
>0 to X mile	0	20	1.	1	1	4	13	.41	1/30	408	1,303	4,081	13,034	40,811	0
> K to K mile	1691	2	Ó	٥	1	1	3	3	28	88	282	882	2,815	8,815	9_
>% to 1 mile	2673	1	. 0	0	0	1	1	③	8	28	83	261	834	2,612	3
>1 to 2 miles	0	o :	o	0	o	0	1	1	3	8	27	83	266	833	8
> 2 to 3 miles	0	O	o	0	0	0	1	1	1	4	12	38	120	376	0
>3 to 4 miles	5115	o.	0	o	ο.	o	0	1	0	2	7	23	73	229	
Nearest	Individual =	2		• .			٠ ١					•	• • •	Score =	13

Wetland Area	Assigned Value
Lose than I acre	0
1 to 50 scres	25
Greater than 50 to 100 ac	res . 75
Greater than 100 to 150 a	125
Greater than 150 to 200 a	175
Greater than 200 to 300 c	250
Greater than 300 to 400 a	350
Greater than 400 to 500 a	15Q
Greater than 500 acres	500

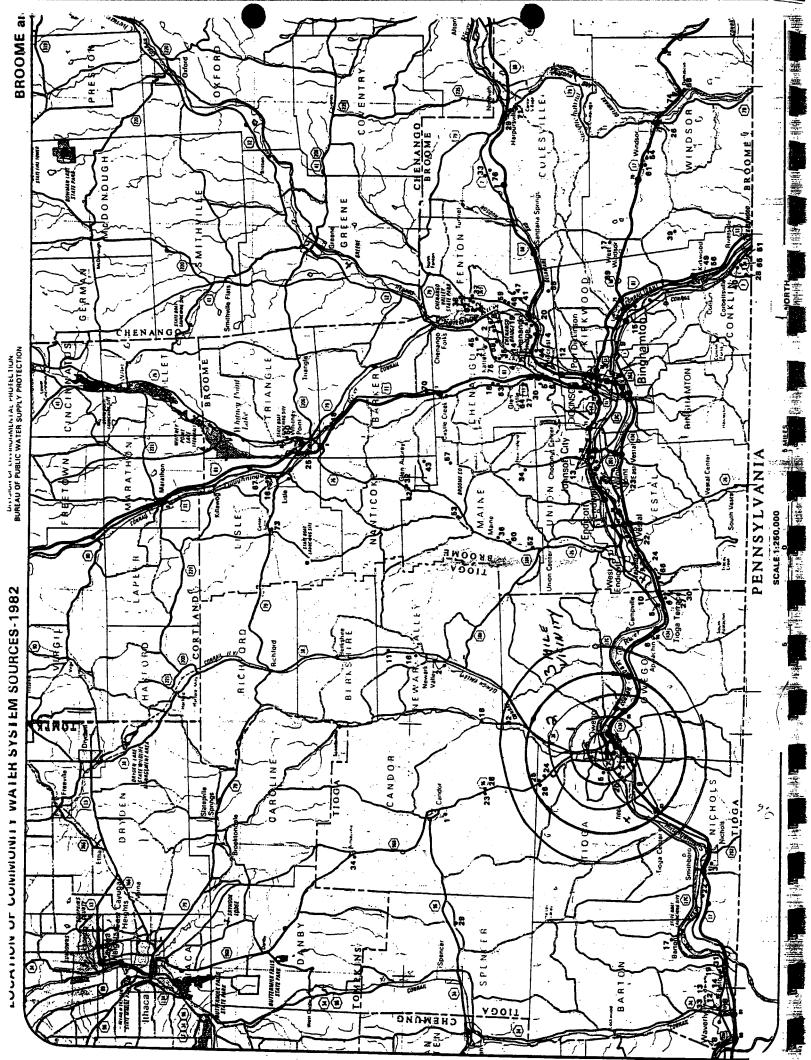
Distance	Distance Weight	Sensitive Environment Type and Value (from PA Table 5 or 9)	Product
Onsite	0.10	×	
	· .	X	
	• • • • • • • • • • • • • • • • • • • •	×	
0-1/4 mi	0.025	×	
		×	
		×	
1/4-1/2mi	0.0054	×	· ·
		×	
		x	

Total Environments Score

SITE SCORE CALCULATION

	S	S¹	
GROUND WATER PATHWAY SCORE (S _{sw}):	22.8	519.84	
SURFACE WATER PATHWAY SCORE (S):	25.8	665.64	
SOIL EXPOSURE PATHWAY SCORE (S.):	1.6	2.56	
AIR PATHWAY SCORE (S.):	2.18	4.76	
SITE SCORE:	$\sqrt{\frac{S_{gw^2} + S_{sw^2} + S_{s^2} + S_{a^2}}{4}}$	17.27	

		YES	NO.
•	Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? A. If yes, identify the well(s) of \$100 CM HMWHOW attubute to Mester was found.	- W4	×
JQ 0	B. If yes, how many people are served by the threatened well(s)?		
2	Is there a high possibility of a threat to any of the following by hazardous substance		
	A. Drinking water intake 8. Fishery C. Secretary options and (westland, critical habitat, others)	ا ا	XXX
	O. If yes, identify the target(s) aste suls have been remailed. JAICON FOR WOSTE SULS have been remailed no evelvar All site soil somming remailed NO evelvar All site soil somming remailed NO evelvar	ted	
3.	Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility?	G	а
١.	If yes, identify the property lies and estimate the associated population(s). A DOLLO WOOLE SEND AND OBJECT WESTER FENDO: SOMEWING VENDOLO NO LIMBER SAUCONOM Are there public health cencerns at this site that are not addressed by PA scoring AND SELECTION OF THE SECOND OF THE SE	Nau 1.	
	considerations? If yes, explain: No . CON W. Sevice of Devices		,



TIOGA COUNTY

POPULATION

17126.

trict #10).35. . ition, ...110. . Well's (Springs)

.Wells (Springs)

"Susquehanna River, Wells

Big Hottow Brook Reservoir,

.Wells

.Wells .Wells Wells. . Wells

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Wells

Wells

NA.

. NA.

. NA.

,2072 . . . Well Is. . 680. . . . iiA. .

, 900, . . Wells 1100. . Wells 1400.

ID NO	COMMUNITY WATER SYSTEM	POPULATION	SOURCE	•
Muni	cipal Community			
₩ © - 8	Candor Village. Hewark Valley Village. Hichols Water Company. Owego Water District #2. Owego Water District #3. Owego Water District #4. Owego Water Works. Wawarly Village. Municipal Community	. 1400. , 500. . 2000. . 1600. . 5000.	.Wells .Wells .Wells .Wells .Wells .Wells	Reservairs, Weils
2 - 9 10 11 12 13 14 15 16 17 18 18 18 18 19	Arrways fon Trailer Park. Bouton's Trailer Park. Brookside Court. Cedar Terrace Trailer Park. E1-Ba Trailer Park #1. E1-Ba Trailer Park #2. Green Valley Mobile Home Park. Hoffman Trailer Park. Joily J Mobile Home Park. Mapte Lane Trailer Court.		Wells	
20 - 21 - 22 - 25 - 26 - 27 - 28 - 29 - 30 - 31 - 32 - 32 - 33 - 33 - 33 - 33 - 33	Maple Shade Trailer Park #1. Maple Shade Trailer Park #2. Maple Shade Trailer Park #2. Maple Shade Trailer Park #2. Ovego Contracting Company Inc. Ovego the ghts Mobile Home Park Pebble Hill Mobile Home Park Pine Tree Trailer Court. Post Mobile Homes. Route 96 Residential Park Saunders Mobile Home Park Stuphens Trailer Park Valley Park Inc. Valley Park Inc. Wadon Wheel Trailer Park.	401 30 200 100 30 30 30 99 30 120 126 200	Wells	

POPULATION WITHIN 3 MILES OF SITE USING WELLS FOR WATER